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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVII, No. 10 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — October, 1969

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1969, averaged 116,775 barrels daily, a decrease of 2,983 barrels from the average September production of 119,758.

The nine refineries in the state processed 121,098 barrels of crude oil daily for the month of October, 1969, an increase of 288 barrels from the 120,810 barrels processed daily during the month of September, 1969.

During October 77 wells were completed, 14 oil, 2 gas and 61 dry holes.

During October the commission issued 78 permits to drill new wells, an increase of 72 from the 76 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF OCTOBER, 1969

IN STORAGE OCTOBER 1st	
By Producers	363,305
By Transporters	1,162,652
By Refiners	488,551
TOTAL STORAGE	2,014,508
Produced in Montana During Month	3,620,013
Imported During Month	2,700,274
TOTALS	8,334,795
DISPOSITION:	
Refined in Montana	3,754,043
Exported	2,391,567
Used for Fuel or Lost	6,211
TOTAL	6,151,821
IN STORAGE OCTOBER 31st	
By Producers	396,953
By Transporters	1,208,041
By Refiners	577,980
TOTAL STORAGE	2,182,974

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1969

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	818,644
Big Coulee	98,841
Blackjack	102,124
Box Elder	2,280
Bowdoin	161,624
Bowes	38,213
Cabin Creek	110,888
Cedar Creek	235,156
Clarks Fork South	31,790
Cut Bank (Including Reagan)	729,161
Devon	0
Dry Creek	44,455
Elk Basin	93,146
Flat Coulee	23,061
Gold Butte	4,604
Golden Dome	0
Grandview	49,198
Hardin	3,423
Keith Block	126,012
Kevin Sunburst	72,683
Lake Basin	104,480
Middle Butte	2,658
Mt. Lilly	50,038
Pine	60,646
Plevna	2,232
Squaw Coulee	47,849
Tiger Ridge	43,645
Utopia	85,545
Whitlash	83,602
Miscellaneous	198,642
TOTAL	3,424,640

Total withdrawals for October, 1968 were 2,323,757.

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PRODUCERS REPORT—MONTH OF OCTOBER, 1969

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	526	2,521	.....	2,625	.....	422
1	Bannatyne	1	828	159	421	.....	.....	566
	Bascom	.....	183	.....	.....	.....	.....	183
4	Bear's Den	5	1,027	1,128	.....	201	.....	1,954
86	Bell Creek	385	59,500	1,053,659	1,013,068	.....	1,492	98,599
1	Benrud	1	523	777	887	.....	.....	413
2	Benrud East	2	1,757	15,901	16,208	.....	.....	1,450
1	Benrud Northeast	1	779	3,839	3,983	.....	.....	635
1	Berthelote	1	488	368	209	.....	.....	647
6	Big Wall	19	2,196	12,907	12,830	.....	.....	2,273
4	Blackfoot	6	1,155	1,808	1,739	.....	.....	1,224
5	Border	5	609	1,581	.....	1,437	.....	753
1	Bowes	55	2,546	13,166	13,846	.....	.....	1,866
1	Bradley	1	210	671	384	.....	.....	497
2	Brady	2	310	33	33	.....	.....	310
4	Brorson-Madison	4	1,092	6,481	6,439	.....	.....	1,134
7	Brorson-Red River	7	2,808	37,618	.....	34,080	.....	6,346
3	Brorson-Red River South	3	2,209	20,281	.....	18,952	.....	3,538
2	Cabin Creek	98	.....	316,640	316,640	.....	.....	.....
11	Cat Creek	59	2,415	17,699	16,553	776	.....	2,785
1	Clark's Fork	1	148	196	.....	182	.....	162
1	Clark's Fork South	1	399	5,617	.....	5,521	.....	495
2	Conrad South	2	662	1,179	1,179	.....	.....	662
1	Cow Creek	1	232	1,850	1,850	.....	.....	232
2	Cupton	2	1,636	3,205	.....	2,730	.....	2,111
138	Cut Bank	845	66,523	440,305	443,866	.....	324	62,638
2	Deer Creek	2	890	2,038	2,508	.....	.....	420
1	Delphia	1	397	432	.....	414	.....	415
	Devil's Basin	.....	688	.....	.....	.....	.....	688
1	Dwyer	13	4,547	19,086	20,192	.....	.....	3,441
4	Elk Basin	61	1,743	187,668	187,828	.....	.....	1,583
5	Elk Basin Northwest	14	8,023	16,153	16,042	.....	.....	8,134
9	Fairview	10	7,599	59,463	57,465	.....	.....	9,597
2	Fertile Prairie	2	588	1,421	1,397	.....	.....	612
8	Flat Coulee	25	5,555	11,108	1,056	9,978	.....	5,629
39	Flat Lake	59	6,804	69,149	68,786	.....	.....	7,167
3	Flat Lake South	3	1,148	6,846	7,182	.....	.....	812
2	Frannie	2	.....	1,154	1,154	.....	.....	.....
21	Fred & George Creek	41	3,788	37,994	38,232	.....	.....	3,550
1	Gage	1	134	209	.....	122	.....	221
	Gage Southwest	.....	30	.....	.....	.....	.....	30
3	Gas City	20	7,017	25,397	26,938	.....	.....	5,476
11	Glendive	14	2,669	31,926	27,371	4,641	.....	2,583
25	Goose Lake	33	6,315	50,649	52,342	.....	.....	4,622
8	Graben Coulee	21	3,531	5,418	4,376	1,862	.....	2,711
	Gypsy Basin	.....	833	.....	.....	.....	.....	833
2	Hay Creek	2	492	18,690	18,732	.....	.....	450
6	Hiawatha	7	4,877	12,806	12,955	.....	.....	4,728
1	Hibbard	1	661	348	.....	413	.....	596
1	Injun Creek	1	765	545	.....	836	.....	474
6	Ivanhoe	11	1,805	7,552	7,849	.....	.....	1,508
6	Keg Coulee	22	5,032	8,591	10,844	.....	.....	2,779
2	Keg Coulee North	2	530	884	.....	.....	.....	1,414
1	Kelley	5	1,227	6,417	6,889	.....	.....	755
94	Kevin Sunburst	511	14,442	31,019	29,937	2,053	.....	13,471
8	Laird Creek	10	629	6,799	.....	6,654	.....	774
2	Leary	2	1,797	2,326	.....	2,836	3	1,284
1	Little Beaver	28	.....	29,363	29,363	.....	.....	.....
2	Little Beaver East*	13	2,956	19,388	20,342	.....	.....	2,002
2	Lodge Grass	2	688	1,730	.....	1,586	.....	832
3	Lookout Butte (Coral Creek)	34	327	71,755	71,446	.....	.....	636
	Mackay Dome	.....	1,139	.....	.....	.....	.....	1,139
2	Mason Lake	2	486	1,230	1,019	.....	28	669
3	Melstone	5	1,213	1,899	1,822	415	.....	875
1	Mineral Bench	1	500	973	1,329	.....	.....	144
	Miner's Coulee	.....	107	.....	.....	.....	.....	107
11	Monarch	16	4,542	19,925	20,470	.....	.....	3,997
4	Mosser	4	.....	627	.....	627	.....	.....
6	Outlook	10	4,624	21,077	20,730	.....	.....	4,971
1	Outlook South	1	1,696	2,392	3,434	.....	.....	654
2	Outlook West	2	709	3,716	2,970	.....	.....	1,455
3	Pennel-Lookout Butte	114	6,048	131,782	135,451	.....	.....	2,379
4	Pine	119	16,746	300,029	298,392	.....	.....	18,383
1	Pole Creek	1	1,080	1,067	.....	1,095	.....	1,052
63	Pondera	277	6,448	27,165	26,912	.....	.....	6,701
5	Poplar	68	8,396	60,102	59,187	.....	276	9,035
5	Poplar Northwest	5	1,331	3,967	3,543	.....	.....	1,755
1	Prairie Elk	1	799	597	.....	.....	.....	1,396
4	Ragged Point	12	2,948	6,677	7,162	.....	.....	2,463
2	Rattlesnake Coulee	2	445	1,163	1,000	.....	.....	608
2	Reagan	48	641	23,413	23,566	.....	.....	488
1	Red Creek	23	.....	18,720	18,720	.....	.....	.....
1	Red Fox	1	266	5,238	5,155	.....	.....	349
1	Redstone	1	722	4,836	4,803	.....	.....	755
1	Repeat	1	219	1,614	.....	1,737	.....	96
4	Reserve	5	193	20,415	20,415	.....	.....	193
	Richey	.....	778	.....	.....	.....	.....	778
1	Richey Southwest	6	702	4,523	4,205	.....	.....	1,020
1	Rush Mountain	1	1,075	3,964	.....	4,602	.....	437
6	Sand Creek	8	2,426	11,369	10,607	.....	149	3,039
1	Shotgun Creek	1	349	847	.....	674	.....	522
	Sidney	.....	880	.....	.....	.....	.....	880
1	Snyder	4	1,168	987	.....	958	.....	1,197
6	Soap Creek	17	3,787	3,999	.....	3,969	.....	3,817
1	Spring Lake	2	2,082	2,049	.....	2,988	.....	1,143
1	Stensvad	12	2,233	12,007	11,884	.....	.....	2,356
14	Sumatra	62	8,758	47,861	46,718	.....	.....	9,901
5	Tule Creek	6	1,464	37,271	.....	36,379	.....	2,356
2	Tule Creek East	2	461	14,842	.....	14,209	.....	1,094
2	Tule Creek South	3	843	6,087	.....	5,487	5	1,438
2	Vida	2	289	1,102	665	.....	.....	726
4	Volt	5	2,274	14,859	14,732	.....	.....	2,401
2	Weed Creek	3	332	8,993	8,908	.....	17	400
4	Weldon	11	1,753	35,299	35,233	.....	.....	1,819
1	West Butte	1	.....	3,854	.....	3,854	.....	.....
19	Whitlash	44	7,481	13,914	13,901	.....	.....	7,494
2	Whitlash West	2	541	319	.....	.....	.....	860
2	Wills Creek South	2	50	3,134	3,134	.....	.....	50
6	Wolf Springs	8	3,666	4,896	4,605	.....	.....	3,957
2	Woodrow	2	498	2,794	3,121	.....	.....	171
1	Wildcat, Blaine Cty	.....	218	312	.....	371	.....	159
	Wildcat, Carbon Cty	1	723	.....	.....	.....	.....	723
1	Wildcat, Fallon Cty	1	845	2,837	.....	3,094	.....	588
2	Wildcat, Glacier Cty	5	1,968	1,043	1,920	.....	3	1,088
1	Wildcat, Liberty Cty	1	213	80	.....	.....	.....	293
1	Wildcat, Musselshell Cty	1	191	457	.....	485	.....	163
2	Wildcat, Powder River Cty	2	162	3,605	.....	3,569	.....	198
2	Wildcat, Richland Cty	2	708	5,580	.....	5,577	.....	711
4	Wildcat, Roosevelt Cty	4	2,815	7,607	.....	8,193	403	1,826
1	Wildcat, Sheridan Cty	1	505	551	.....	.....	.....	1,056
1	Wildcat, Stillwater Cty	1	341	.....	.....	.....	.....	341
1	Wildcat, Toole Cty	1	.....	409	409	.....	.....	.....
1	Wildcat, Wibaux Cty	1	140	25	.....	.....	.....	165
803	Total	3,426	363,305	3,620,013	3,387,483	196,182	2,700	396,953

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1968	48,460,579	132,406	48,370,779	132,161
First Quarter, 1969	11,151,766	123,908	11,176,241	124,180
Second Quarter, 1969	11,081,285	121,772	11,072,056	121,671
Third Quarter, 1969	11,137,765	121,063	11,165,220	121,361
October, 1969	3,620,013	116,775	3,583,665	115,602

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1968	448,662	1,346,295	813,963	2,608,920
March, 1969	411,717	1,346,785	981,174	2,739,676
June, 1969	406,318	1,460,308	1,100,279	2,966,905
September, 1969	363,305	1,162,652	488,551	2,014,508
October, 1969	396,953	1,208,041	577,980	2,182,974

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF OCTOBER, 1969

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,625				2,625		
BEAR'S DEN—Truck			201				201		
BELL CREEK—Pipelines		1,013,068					438,053	575,015	
BIG WALL—									
Continental Pipeline Co.		12,831				12,831			
BLACKFOOT—									
Camerland Cardinal Corp.		1,739						1,739	
BORDER—Truck			1,437					1,437	
BOWES—Texaco Inc.		13,846				13,846			
BRORSON-MADISON—Pipelines		6,439						6,439	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			53,032				53,032		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	328,708	809,992	9,108	1,142,104			1,917,918		371,994
Shell Pipeline Co.	7,722	251,523			218			255,081	3,946
	336,430	1,061,515	9,108	1,142,104	218		1,917,918	255,081	375,940
CAT CREEK—									
Continental Pipeline Co.		16,553				16,553			
Truck			776			776			
		16,553	776			17,329			
CLARK'S FORK—Truck			182				182		
CLARK'S FORK SOUTH—Truck			5,521				5,521		
COW CREEK—									
Western Crude Oil, Inc.		1,850					1,850		
CUT BANK—									
Continental Pipeline Co.			14,423	516,374				530,797	
Phillips Petroleum Co.	41,059	67,845		77,162	3,929	129,462			52,675
Texas Pipeline Co.	11,201	90,695		35,201	432			128,724	7,941
Union Oil Co.	84,488	86,245		23,417	429	136,787			56,934
Western Oil Trans. Co.		41,366						41,366	
Western Oil Trans. (Moulton)		84,021						84,021	
	136,748	370,172	14,423	652,154	4,790	266,249		784,908	117,550
DELPHIA—Truck			414			414			
DWYER—Portal Pipeline Co.		19,991					19,991		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		203,052				203,052			
FAIRVIEW—Fairview Pipeline Co.		57,465					57,465		
FLAT COULEE—									
Camerland Cardinal Corp.			9,978			6,000		3,978	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		65,207					65,207		
FRANNIE—Interstate Pipeline Co.		1,154					1,154		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	10,790	41,323				35,776		9,887	6,450
GAGE & GAGE SOUTHWEST—									
Truck			122			122			
GLENDIVE, DEER CREEK WOODROW & SAND CREEK—									
Texas Pipeline Co.	8,944	37,207			(159)			36,359	9,951
GOOSE LAKE—									
Portal Pipeline Co.		48,343					48,343		
HAY CREEK—									
Fairview Pipeline Co.		18,732					18,732		
HIAWATHA—									
Continental Pipeline Co.		12,956					12,956		
HIBBARD—Truck			413			413			
INJUN CREEK—Permian Corp.			836				836		
IVANHOE—									
Continental Pipeline Co.		7,779				7,779			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		12,881				12,881			
KELLEY—									
Continental Pipeline Co.		6,897				6,897			
KEVIN SUNBURST—									
Big West Oil Co.	5,127	16,424				18,723			2,828
Homestake Oil & Gas Co.	1,609	1,900							3,509
Texas Pipeline Co.	6,465	11,123		7,425	194			13,458	11,361
	13,201	29,447		7,425	194	18,723		13,458	17,698
LEARY—Truck			2,836				2,836		
LODGE GRASS—Truck			1,586			1,586			
MASON LAKE—									
Continental Pipeline Co.		1,019				1,019			
MELSTONE—Truck			415					415	
Continental Pipeline Co.		1,822				1,822			
		1,822	415			1,822		415	
MOSSER—Truck			627				627		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		27,133					27,133		
POLE CREEK—Truck			1,095				1,095		
PONDERA—Phillips Petr. Co.	20,777	29,181							49,958
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	15,494	115,286			86			111,193‡	19,501
RAGGED POINT—									
Continental Pipeline Co.		7,161				6,661		500	
RED CREEK—									
Western Oil Transportation Co.		21,806						21,806	
RESERVE—Portal Pipeline Co.		20,415					20,415		
RUSH MOUNTAIN—									
Sinclair Refining Co.			4,602				4,602		
SHOTGUN CREEK—Truck			674				674		
SNYDER—Truck			958			958			
SOAP CREEK—Truck			3,969					3,969	
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,988					2,988	
SUMATRA & STENSVAD—									
Continental Pipeline Co.	606,998	55,860		1,326,911	(4,424)	41,522		1,357,861	594,810
TULE CREEK—									
Tesero Petr. Corp.	13,270		56,075			53,162			16,183
WEED CREEK—									
Continental Pipeline Co		8,908				8,908			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		14,962				14,962			
WOLF SPRINGS—									
Continental Pipeline Co.		4,605				4,605			
WILDCAT WELLS—Truck			21,289				21,289		
TOTALS	1,162,652	3,363,605	196,182	3,128,594	705	737,517	2,722,737	3,187,033	1,208,041

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1969

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		12,831								12,831
Bowes			21,927							21,927
Cat Creek		2,710		279,744		4,428				286,882
Cut Bank	22,599						93,757		113,561	229,917
Delphia						1,149				1,149
Elk Basin		77,066		53,200	72,786					203,052
Flat Coulee									6,000	6,000
Fred & George Creek	35,776									35,776
Gage & Gage S. W.						587				587
Hibbard						623				623
Ivanhoe		7,779								7,779
Keg Coulee		1,980		10,901						12,881
Kelley					6,897					6,897
Kevin Sunburst	44,916									44,916
Lodge Grass		1,586								1,586
Mason Lake		1,019								1,019
Melstone				1,822						1,822
Pondera							20,071			20,071
Ragged Point				6,661						6,661
Sand Creek						469				469
Snyder		958								958
Sumatra & Stensvad		16,487		25,035	12,800					54,322
Tule Creek								67,007		67,007
Weed Creek					8,908					8,908
Whitlash							15,124			15,124
Wolf Springs					4,605					4,605
Total Montana Oil	103,291	122,416	21,927	377,363	105,996	7,256	128,952	67,007	119,561	1,053,769
Canadian Oil Imported		488,006			128,026					616,032
Wyoming Oil Imported		772,610		307,504	1,004,128					2,084,242
Total Montana, Canadian, and Wyoming Oil	103,291	1,383,032	21,927	684,867	1,238,150	7,256	128,952	67,007	119,561	3,754,043

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1968	26,482	21,007	64,842	112,331
October, 1968	25,491	18,592	51,978	96,061
October, 1969	33,992	19,872	67,234	121,098

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1968	23.57%	18.70%	57.73%
October, 1968	26.54%	19.35%	54.11%
October, 1969	28.07%	16.41%	55.52%